BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of rk:Improvements of Asphalting At Balance Road At Shooting Banglow Road And Others Roads in Mallasandra Ward No 13 Shettyhalli Sub Division

NUMBER.: SI-2 **Est. Amount =** 50.00 **Lakhs**

	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
Removing and resetting of footpath slab (Page No-265 Item no - 37.6 of KPWD SR 2016-17)..								
Matrushree layout	Sqm	2	100.00	0.90		180.00		
BHEL Mini colony		2	200.00	0.90		360.00		
Damaged Cover Slab		1	56.00	0.90		50.40		
					Total Qty	489.60	132.50	64872.00
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications. MORTH/Chapter 3 (Page No-142 Item no - 19.1 of KPWD SR 2016-17)..								
Matrushree layout	Cum	2	100.00	0.75	0.45	67.50		
BHEL Mini colony		2	200.00	0.75	0.45	135.00		
					Total Qty	202.50	170.92	34611.30
Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
Cover slab	Sqm	1	56.00	0.90		50.40		
					Total Qty	50.40	1957.00	98632.80
KSRRB M300-14. Excavation for roadwork in ail types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes, in accordance with requirements of lines,grades and cross sections, and transporting to the embankment locationto a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No-143 Item no - 19.14 of KPWD SR 2016-17)..								
Shooting Banglow Road	Cum	1	403.00	1.00	0.30	120.90		
Right Side Widening		1	403.00	3.00	0.30	362.70		
Left Side Widening		1	403.00	4.00	0.30	483.60		
					Total Qty	967.20	132.76	128405.47
KSRRB 300-67. Extra for rolling lo specification with power roller when earth is at suitable moisture content with desired field density not less than 95% of maximum dry density (ordinary proctor test) including HOM ofmachineries complete as per specifications. MORTH / Chapter 3 (Page No-150 Item no - 19.75 of KPWD SR 2016-17).								
Shooting Banglow Road	Cum	1	403.00	1.00	0.30	120.90		
					Total Qty	120.90	8.48	1025.23
KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap l basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2016-17).								
Shooting Banglow Road	Cum	1	403.00	1.00	0.25	100.75		
Right Side Widening		1	403.00	3.00	0.25	302.25		
Left Side Widening		1	403.00	4.00	0.25	403.00		
					Total Qty	806.00	1768.08	1425072.48

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	Unit	No	Dimension L	B	D	Quantity	Rate In Rs.	Amount In Rs.
KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 (Page No-161 Item no - 21.6 of KPWD SR 2016-17).								
Shooting Banglow Road	Sqm	1	403.00	1.00		403.00		
Camber Correction		1	403.00	2.00		806.00		
Right Side Widening		1	403.00	3.00		1209.00		
Left Side Widening		1	403.00	4.00		1612.00		
					Total Qty	4030.00	27.56	111066.80
KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mixformula for base / binding course including loading of aggregates withF.E. loader, hot mixing of stone aggregates and bitumen in hot mixplant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer/ tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.(Page No-162 Item no - 21.11.6 of KPWD SR 2016-17).								
Shooting Banglow Road	Cum	1	403.00	1.00	0.04	16.12		
Camber Correction		1	403.00	2.00	0.04	32.24		
Right Side Widening		1	403.00	3.00	0.04	48.36		
Left Side Widening		1	403.00	4.00	0.04	64.48		
					Total Qty	161.20	5237.46	844278.55
KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (Page No-161 Item no - 21.2 of KPWD SR 2016-17).								
BC Road	Sqm	1	403.00	4.50		1813.50		
					Total Qty	1813.50	3.18	5766.93
KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH (Page No-161 Item no - 21.7 of KPWD SR 2016-17).								
BC Road	Sqm	1	403.00	14.00		5642.00		
					Total Qty	5642.00	11.66	65785.72
KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achievethe desired compaction as per MORTH specification clause No. 500.9complete in all respects complete as per specifications.MOFtTH Specification No. 509 (Page No-165 Item no - 21.22.6 of KPWD SR 2016-17).								
BC Road	Cum	1	403.00	14.00	0.04	225.68		
					Total Qty	225.68	7270.54	1640815.47
Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-185, I.No.-24.15 of KPWD S.R 2016-17).								
Edge Lane	Sqm							
Side		2	403.00	0.15		120.90		
Middle		1	201.50	0.15		30.23		
					Total Qty	151.13	542.72	82018.56
						Total Constrution cost		45,02,351.31
						KRDL Charges 11%		4,95,258.64

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	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
							Sub Total	49,97,609.96
							Miscellaneous & Rounding Off	2,390.04
							Grand Total	50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub - Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ. EE/DD/AS/03 ದಿನಾಂಕ: 03/07/18-19

Rs. Fifty Lakhs only
(50:00 Lakhs)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/TS/01/18-19 ದಿನಾಂಕ: 05/07/2018

ರೂ. Rs. 50.00 lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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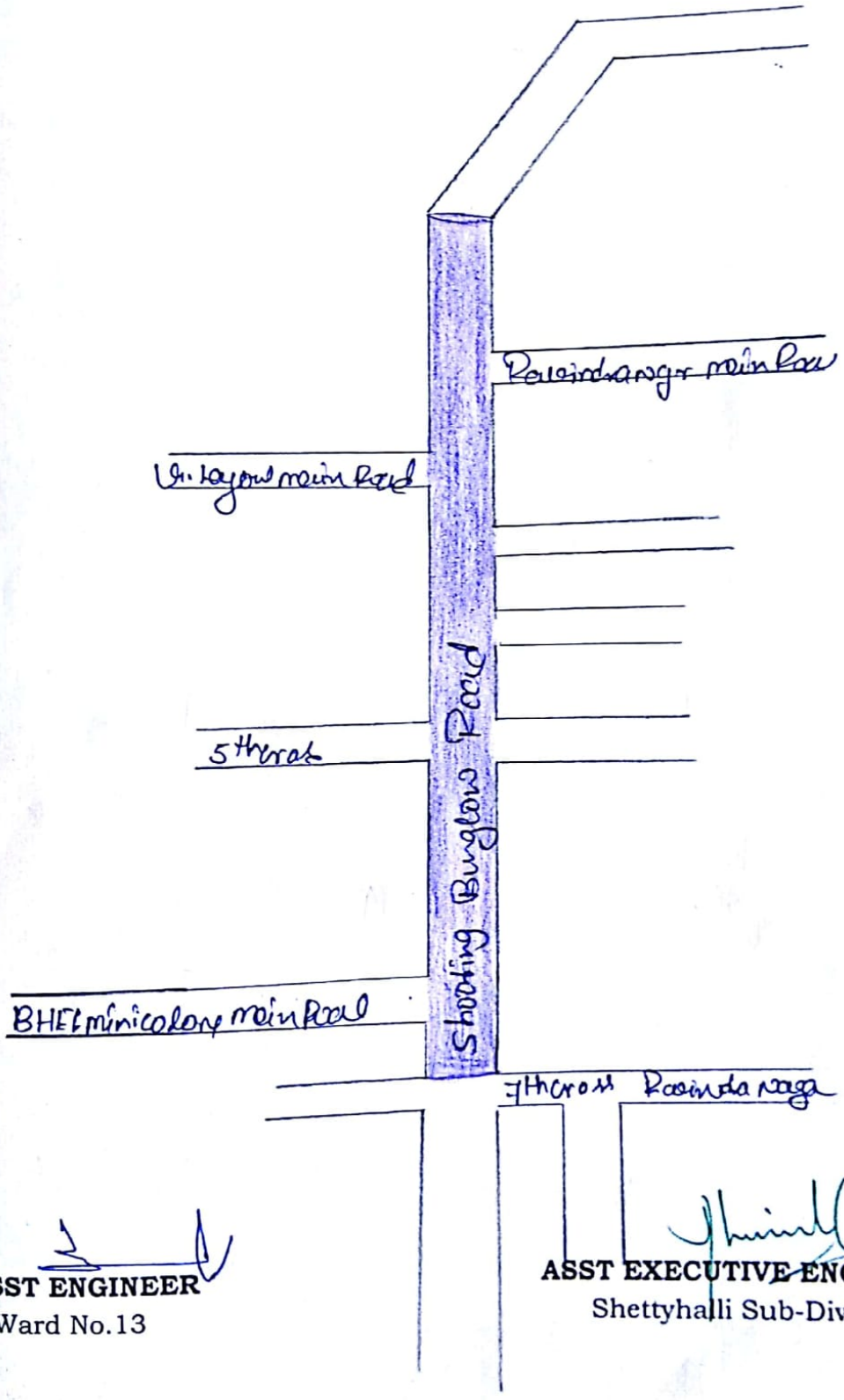
Name of Work: Improvements Of Asphalting at Balance Road At Shooting Banglow Road and Other Roads In Mallasandra Ward No 13 Shettyhalli Sub Division.



ASST ENGINEER
Ward No.13

ASST EXECUTIVE ENGINEER
Shettyhalli Sub-Division ,

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